Performance Data Sheet

RGA5480EXA

General Information

Model	RGA5480EXA	**Refrigerant**	R-22
Test Condition	EN12900 ASERCOM	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	10K (18°F) SUPERHEAT	**Motor Type**	PSC

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-25	Watts (Capacity)	773			
	Watts (Power)	425			
	Amps	4.05			
-23.3	Watts (Capacity)	842	736		
	Watts (Power)	436	475		
	Amps	4.13	4.51		
-20	Watts (Capacity)	989	875		
	Watts (Power)	454	507		
	Amps	4.25	4.71		
-15	Watts (Capacity)	1240	1110	965	
	Watts (Power)	472	544	597	
	Amps	4.40	4.96	5.57	
-10	Watts (Capacity)	1530	1380	1220	1030
	Watts (Power)	482	569	645	700
	Amps	4.49	5.16	5.88	6.66
-6.7	Watts (Capacity)	1750	1580	1400	1190
	Watts (Power)	485	580	669	743
	Amps	4.53	5.26	6.05	6.90
-5	Watts (Capacity)	1870	1690	1500	1280
	Watts (Power)	486	584	679	762
	Amps	4.54	5.31	6.13	7.02
0	Watts (Capacity)	2260	2040	1810	1560
	Watts (Power)	487	591	702	809
	Amps	4.54	5.41	6.34	7.33

5	Watts (Capacity)	2690	2440	2170	1880
	Watts (Power)	488	595	717	843
	Amps	4.49	5.46	6.49	7.58
7.2	Watts (Capacity)	2900	2630	2340	2030
	Watts (Power)	490	596	721	855
	Amps	4.45	5.47	6.55	7.68
10	Watts (Capacity)	3190	2890	2570	2240
	Watts (Power)	493	598	726	868
	Amps	4.39	5.47	6.60	7.79
15	Watts (Capacity)	3740	3390	3020	2640
	Watts (Power)	503	602	733	886
	Amps	4.25	5.42	6.66	7.96

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.791210E+03	3.098150E+02	2.297650E+00	
C2	1.045030E+02	7.789060E+00	-6.669340E-02	
C3	-1.573110E+01	5.147750E-01	6.577600E-02	
C4	1.425150E+00	2.536270E-01	-9.787870E-04	
C5	-7.472120E-01	-5.106790E-01	2.056620E-03	
C6	-6.219340E-02	2.294510E-01	3.002370E-04	
C7	5.416160E-03	3.827230E-03	0.000000E+00	
C8	-1.250210E-02	-8.350780E-03	0.000000E+00	
C9	1.220070E-04	8.565230E-03	0.000000E+00	
C10	-2.736960E-04	-1.657930E-03	0.000000E+00	

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

Performance Data Sheet

RGA5480EXA

General Information

Model	RGA5480EXA	**Refrigerant**	R-22
Test Condition	ASHRAE	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	2700	2510					
	Watts	395	423					
	Amps	3.86	4.07					
	Lb/h	34.9	33.6					
-10	Btu/h	3100	2890	2760				
	Watts	405	436	470				
	Amps	3.95	4.16	4.45				
	Lb/h	39.8	38.5	38.2				
-5	Btu/h	3530	3290	3140	3020			
	Watts	414	447	484	523			
	Amps	4.04	4.25	4.55	4.89			
	Lb/h	45.1	43.6	43.3	43.5			
0	Btu/h	4000	3730	3560	3430	3270		
	Watts	420	456	496	538	580		
	Amps	4.12	4.33	4.64	5.00	5.37		
	Lb/h	50.8	49.1	48.7	48.9	48.7		
5	Btu/h	4520	4210	4010	3850	3690		
	Watts	425	462	505	551	598		
	Amps	4.20	4.40	4.72	5.11	5.50		
	Lb/h	56.9	55.0	54.5	54.6	54.6		
10	Btu/h	5090	4740	4500	4320	4130	3890	3530
	Watts	429	468	513	562	613	663	708
	Amps	4.27	4.47	4.80	5.20	5.63	6.03	6.36
	Lb/h	63.7	61.5	60.8	60.8	60.7	59.8	57.2
15	Btu/h	5730	5320	5030	4820	4610	4350	3980
	Watts	431	471	519	572	627	681	733
	Amps	4.33	4.53	4.87	5.29	5.75	6.19	6.57
	Lb/h	71.1	68.5	67.5	67.4	67.3	66.5	64.0
20	Btu/h	6420	5950	5620	5370	5130	4850	4470
	Watts	433	474	524	579	638	697	754
	Amps	4.38	4.58	4.92	5.37	5.85	6.34	6.77
	Lb/h	79.1	76.1	74.9	74.5	74.4	73.5	71.2

25	Btu/h	7190	6650	6270	5960	5690	5380	4980
	Watts	433	476	527	586	648	712	774
	Amps	4.42	4.62	4.97	5.43	5.95	6.48	6.96
	Lb/h	88.0	84.5	82.8	82.3	82.0	81.1	78.9
30	Btu/h	8030	7420	6970	6620	6300	5960	5530
	Watts	433	477	530	591	657	725	792
	Amps	4.45	4.64	5.01	5.49	6.03	6.60	7.14
	Lb/h	97.6	93.6	91.6	90.7	90.2	89.2	87.0
35	Btu/h	8950	8270	7750	7330	6970	6580	6130
	Watts	433	477	532	595	664	736	809
	Amps	4.47	4.66	5.03	5.53	6.11	6.72	7.30
	Lb/h	108	104	101	99.8	99.1	98.0	95.7
40	Btu/h	9960	9200	8600	8120	7690	7260	6770
	Watts	432	477	533	598	670	746	824
	Amps	4.47	4.66	5.04	5.56	6.17	6.81	7.46
	Lb/h	120	114	111	110	109	107	105
45	Btu/h	11100	10200	9530	8980	8490	8010	7470
	Watts	432	476	533	600	675	755	837
	Amps	4.47	4.65	5.04	5.57	6.21	6.90	7.59
	Lb/h	132	126	123	121	119	118	115
50	Btu/h	12300	11300	10600	9920	9360	8810	8220
	Watts	432	476	534	603	680	763	850
	Amps	4.45	4.63	5.02	5.57	6.24	6.97	7.71
	Lb/h	146	139	135	132	131	129	126
55	Btu/h	13600	12500	11700	10900	10300	9700	9050
	Watts	432	476	534	604	684	771	861
	Amps	4.41	4.59	4.99	5.56	6.25	7.02	7.82
	Lb/h	161	153	148	145	143	141	138

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.685058E+04	6.274166E+02	1.201847E+01	2.089608E+02
C2	2.239736E+02	4.362761E+00	9.738797E-02	2.337978E+00
C3	-3.504135E+02	-1.116385E+01	-2.641916E-01	-4.558349E+00
C4	1.977150E+00	2.497442E-03	-1.043031E-04	1.862515E-02
C5	-2.308710E+00	-1.108679E-01	-1.891021E-03	-2.318911E-02
C6	3.163940E+00	1.421062E-01	2.725476E-03	4.306201E-02
C7	7.773311E-03	2.686935E-04	-1.118745E-06	9.106353E-05
C8	-1.296453E-02	-4.302217E-04	-3.665187E-07	-1.100277E-04
C9	9.326921E-03	8.838086E-04	1.091490E-05	1.098060E-04
C10	-9.889643E-03	-4.364500E-04	-8.213577E-06	-1.350127E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

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RGA5480EXA

General Information

Model	RGA5480EXA	**Refrigerant**	R-22
Test Condition	EN12900 ASERCOM	**Performance Test Voltage**	100V ~ 50HZ
Return Gas	10K (18°F) SUPERHEAT	**Motor Type**	PSC

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-25	Watts (Capacity)	630			
	Watts (Power)	344			
	Amps	4.86			
-23.3	Watts (Capacity)	683	598		
	Watts (Power)	352	393		
	Amps	4.91	5.22		
-20	Watts (Capacity)	798	704		
	Watts (Power)	365	415		
	Amps	5.01	5.37		
-15	Watts (Capacity)	997	888	764	
	Watts (Power)	379	441	497	
	Amps	5.12	5.56	6.10	
-10	Watts (Capacity)	1230	1100	956	798
	Watts (Power)	387	459	531	592
	Amps	5.19	5.72	6.34	7.05
-6.7	Watts (Capacity)	1410	1270	1100	922
	Watts (Power)	389	467	548	622
	Amps	5.22	5.80	6.48	7.24
-5	Watts (Capacity)	1510	1360	1180	990
	Watts (Power)	390	470	555	636
	Amps	5.23	5.84	6.54	7.33
0	Watts (Capacity)	1830	1650	1440	1210
	Watts (Power)	391	476	572	669
	Amps	5.22	5.92	6.70	7.58

5	Watts (Capacity)	2190	1980	1740	1480
	Watts (Power)	390	478	582	694
	Amps	5.17	5.96	6.83	7.79
7.2	Watts (Capacity)	2370	2150	1890	1600
	Watts (Power)	390	478	585	702
	Amps	5.14	5.96	6.87	7.87
10	Watts (Capacity)	2610	2370	2090	1780
	Watts (Power)	389	477	588	711
	Amps	5.09	5.96	6.91	7.96
15	Watts (Capacity)	3090	2810	2480	2120
	Watts (Power)	389	475	589	722
	Amps	4.97	5.92	6.96	8.09

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.102080E+03	2.843810E+02	3.665640E+00	
C2	8.046910E+01	4.512960E+00	-5.588470E-02	
C3	-1.033990E+00	-1.911730E+00	3.830770E-02	
C4	1.204970E+00	1.135000E-01	-7.815920E-04	
C5	-2.635180E-01	-3.256970E-01	1.692670E-03	
C6	-3.164450E-01	2.254000E-01	4.493250E-04	
C7	5.687690E-03	1.866090E-03	0.000000E+00	
C8	-7.881640E-03	-4.815880E-03	0.000000E+00	
C9	-4.522140E-03	5.771160E-03	0.000000E+00	
C10	1.452610E-03	-1.443720E-03	0.000000E+00	

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature